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SMX 3159.1 (2003-008R1)  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Martin Devenney et al.  
Serial No. 10/777,482  
Filed February 12, 2004

For COMBINATORIAL METHODS FOR PREPARING ELECTROCATALYSTS

May 11, 2004

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VIRGINIA 22313-1450

SIR:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicants submit the attached PTO/SB/08A for consideration by the Patent and Trademark Office in the above-entitled application and to be made of record therein. In accordance with the OG notice of August 5, 2003 partially waiving the requirements of 37 C.F.R. 1.98(a)(2)(i), copies of the U.S. patent documents are not supplied. Applicants submit herewith copies of the foreign patent documents/literature references.

This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(b) in that applicants believe that it is being filed prior to the mailing date of the first Office action on the merits. Accordingly, neither a statement nor fee under 37 C.F.R. §1.97(c) or (d) is required. However, if an Office action was issued prior to the

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date of mailing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge any required fees regarding this Information Disclosure Statement to Deposit Account No. 19-1345.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Derick E. Allen". The signature is fluid and cursive, with the first name "Derick" being more prominent.

Derick E. Allen, Reg. No. 43,468  
SENNIGER, POWERS, LEAVITT & ROEDEL  
One Metropolitan Square, 16th Floor  
St. Louis, Missouri 63102  
(314) 231-5400

DEA/skd

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|--|---|----|---|--------------------------|----------------------------|
| <b>PTO/SB/08A</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    |   | <b>Complete if Known</b> |                            |
|  |   |    |   | Application Number       | 10/777,482                 |
|  |   |    |   | Filing Date              | February 12, 2004          |
|  |   |    |   | Confirmation Number      |                            |
|  |   |    |   | First Named Inventor     | Martin Devenney            |
|  |   |    |   | Group Art Unit           |                            |
|  |   |    |   | Examiner Name            |                            |
| Sheet  | 1 | of | 2 | Attorney Docket No.      | SMX 3159.1<br>(2003-008R1) |

| U.S. PATENT DOCUMENTS |                          |                      |  |  |  |
|-----------------------|--------------------------|----------------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |  | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of Cited<br>Document<br>MM-DD-YYYY |
|                       |                          | Number               | Kind<br>Code <sup>2</sup><br>(if<br>known) |  |  |
|                       | 1                        | 3,357,819            |  | Landsberg  | 12-12-1967   |
|                       | 2                        | 3,902,917            |  | Baresel et al.                                     | 09-02-1975   |
|                       | 3                        | 3,916,532            |  | Jaeger et al.                                      | 11-04-1975   |
|                       | 4                        | 4,001,944            |  | Williams   | 01-11-1977   |
|                       | 5                        | 5,055,441            |  | McCarron, III et al.                               | 10-08-1991   |
|                       | 6                        | 5,192,735            |  | Pagotto et al.                                     | 03-09-1993   |
|                       | 7                        | 5,480,851            |  | Tsurumi et al.                                     | 01-02-1996   |
|                       | 8                        | 5,776,359            |  | Schultz et al.                                     | 07-07-1998   |
|                       | 9                        | 5,985,356            |  | Schultz et al.                                     | 11-16-1999   |
|                       | 10                       | 6,004,617            |  | Schultz et al.                                     | 12-21-1999   |
|                       | 11                       | 6,184,428            | B1   | Zahoor et al.                                      | 02-06-2001   |
|                       | 12                       | 6,348,431            | B1   | Even, Jr.  | 02-19-2002   |
|                       | 13                       | 6,514,903            | B2   | Lin et al.   | 02-04-2003   |
|                       | 14                       | 2002/0132040         | A1   | Finkelshtain et al.                                | 09-19-2002   |
|                       | 15                       | 2003/0104936         | A1   | Mao et al.   | 06-05-2003   |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

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|   |   |    |   | Examiner Name            |                            |
| Sheet   | 2 | of | 2 | Attorney Docket No.      | SMX 3159.1<br>(2003-008R1) |

| FOREIGN PATENT DOCUMENTS                    |                          |  |                     |  |  |  |                |
|---|--------------------------|--|---------------------|--|--|--|----------------|
| Examiner<br>Initials*                       | Cite<br>No. <sup>1</sup> | Foreign Patent Document  |                     |  | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | T <sup>6</sup> |
|   |                          | Office   | Number <sup>4</sup> | Kind<br>Code <sup>2</sup><br>(if<br>known) |  |  |                |
|   | 16                       | EP   | 0 552 587           | A1   | Tanaka Kikinzoku Kogyo K.K.                        | 07-28-1993   |                |
|   |                          |  |                     |  |  |  |                |
| OTHER ART - NON PATENT LITERATURE DOCUMENTS |                          |  |                     |  |  |  |                |
| Examiner<br>Initials*                       | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. |                     |  |  |  | T <sup>6</sup> |
|   | 17                       | K.Y. Chen, "Preparation and Characterization of High-Performance Pt-Ru/WO <sub>3</sub> /C Anode Catalysts for the Oxidation of Impure Hydrogen," Electrochemical and Solid State Letters, 2000, 3 (1), p. 10-12.   |                     |  |  |  |                |
|   | 18                       | D. Chu and S. Gilman, "Methanol Electro-oxidation on Unsupported Pt-Ru Alloys at Different Temperatures," J. Electrochem. Soc., 1996, 143 (5), p. 1685-1690.   |                     |  |  |  |                |
|   | 19                       | T.R. Ralph and M.P. Hogarth, "Catalysis for Low Temperature Fuel Cells Part 1: The Cathode Challenges," Platinum Metals Rev., 2002, 46 (1), p. 3-14.   |                     |  |  |  |                |
|   |                          |  |                     |  |  |  |                |
|   |                          |  |                     |  |  |  |                |

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